

Patent claims

1. A surgical instrument with a pulling or pushing element for actuating at least one jaw part, wherein the pulling or pushing element is assigned at least one bar.
2. The surgical instrument as claimed in claim 1, wherein two bars are connected to one another.
3. The surgical instrument as claimed in claim 2, wherein the two bars are connected via at least one connecting bridge, a clamping ring, a guide rivet or the like.
4. The surgical instrument as claimed in claim 1, wherein, at least on one side, the pulling or pushing instrument is supported against a bar via at least one spacer.
5. The surgical instrument as claimed in claim 1, wherein the bars and the pulling or pushing element are located in a removable protective tube.
6. The surgical instrument as claimed in claim 5, wherein an outwardly directed outer contour of the bars is shaped to match an inner surface of the tube.
7. The surgical instrument as claimed in claim 5, wherein the protective tube is made of plastic.
8. The surgical instrument as claimed in claim 1, wherein the end of at least one bar is connected to a jaw part in a hinged manner.
9. The surgical instrument as claimed in claim 8, wherein the end of the bar has a bead which engages in a groove in the jaw part, said groove turning partially about the bead.

03-617

10. The surgical instrument as claimed in claim 8, wherein an end of the bar before the bead is designed to be elastic.

11. The surgical instrument as claimed in claim 8, wherein the jaw parts are connected to one another at their ends via a hinge pin.

12. The surgical instrument as claimed in claim 11, wherein the pulling or pushing element engages on the hinge pin.

13. A surgical instrument with a pulling or pushing element for actuating at least one jaw part, wherein the pulling or pushing element engages with a bead in a groove in the jaw part, and the jaw part engages with a rotating end into a recess in the other jaw part and rotates with the end in this recess.

14. The surgical instrument as claimed in claim 13, wherein the rotating end has an abutment tip which bears against an inner wall of the recess.